

# STIC Search Report

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STIC Database Tracking Number: 151229

TO: Phyllis Spivack  
Location: rem/3c70  
Art Unit: 1614  
Thursday, April 21, 2005

10460

Case Serial Number: 10/721022

From: Deirdre Arnold  
Location: Biotech-Chem Library  
REM 1A64  
Phone: 571-272-2532

Deirdre.Arnold@uspto.gov

### Search Notes

#### Litigation

\*\*\*Please verify that the correct patent number was searched (the patent number given on your request does not match the application number). If the wrong patent number was searched, please contact me ASAP.\*\*\*

*Please feel free to contact me if you have any questions or would like to amend the search.*

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Regards,  
Deirdre Arnold

*Amended*



Reissue

Access DB# 151229

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: P Spivack Examiner #: 70400 Date: 4/20/05  
Art Unit: 1614 Phone Number: 20585 Serial Number: 101721022  
Mail Box and Bldg/Room Location: 3070 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: carbazole Compounds tx CHF  
Inventors (please provide full names): Lukas-Lasky, Mary Ann  
Ruffolo, Robert  
Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please do litigation search on

Patent 5,902, <sup>8</sup>~~821~~ ←  
08/875603

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## Type of Search

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patno=6127155	1	Utility, Design and Plant Patents	03/23/2005 09:00:07

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Terms: **patno=5902821** ([Edit Search](#))

875603 (08) 5902821 May 11, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

**5902821**

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May 11, 1999

Use of carbazole compounds for the treatment of congestive heart failure

**APPL-NO:** 875603 (08)

**FILED-DATE:** December 29, 1997

**GRANTED-DATE:** May 11, 1999


**ASSIGNEE-AT-ISSUE:** Boehringer Mannheim Pharmaceuticals Corporation Smith Kline Corporation Limited Partnership No. 1, Gaithersburg, Maryland, United States (US), 02

**ASSIGNEE-AFTER-ISSUE:** December 29, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., BOEHRINGER MANNHEIM PHARMACEUTICALS CORPORATION SMITH KLINE BEECHAM CORPORATION LIMITED PARTNERSHIP 1 101 ORCHARD RIDGE DRIVE GAITHERSBURG MARYLAND 20878, Reel and Frame Number: 09065/0783

September 10, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., ROCHE THERAPEUTICS, INC. 340 KINGSLAND STREET NUTLEY NEW JERSEY 07110, Reel and Frame Number: 13957/0660

September 16, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SB PHARMCO PUERTO RICO INC. 105 PONCE DE LEON AVENUE HATO REY 00917 PUERTO RICO, Reel and Frame Number: 13974/0463

**CORE TERMS:** patient, compound, carvedilol, dose, sub, mortality, cardiac, dosage, diuretic, inhibitor ...

Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility, Design and Plant Patents](#) 

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Time of Request: April 20, 2005 03:57 PM EDT

Number of Lines: 31

Job Number: 1841:41401997

Client ID/Project Name:

Research Information:

Utility, Design and Plant Patents  
patno=5902821

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1 of 1 DOCUMENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5902821

[Link to Claims Section](#)

May 11, 1999

Use of carbazole compounds for the treatment of congestive heart failure

**APPL-NO:** 875603 (08)

**FILED-DATE:** December 29, 1997

**GRANTED-DATE:** May 11, 1999

**ASSIGNEE-AT-ISSUE:** Boehringer Mannheim Pharmaceuticals Corporation Smith Kline Corporation Limited Partnership No. 1, Gaithersburg, Maryland, United States (US), 02

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September 10, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., ROCHE THERAPEUTICS, INC. 340 KINGSLAND STREET NUTLEY NEW JERSEY 07110, Reel and Frame Number: 13957/0660

September 16, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SB PHARMCO PUERTO RICO INC. 105 PONCE DE LEON AVENUE HATO REY 00917 PUERTO RICO, Reel and Frame Number: 13974/0463



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Search statement 1

Query/Command : us5902821/pn

\*\* SS 1: Results 1

Search statement 2

Query/Command : PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - @QUESTEL-ORBIT

**Patent Number :**

US5902821 A 19990511 [US5902821]

**Title :**

(A) Use of carbazole compounds for the treatment of congestive heart failure

**Patent Assignee :**

(A) BOEHRINGER MANNHEIM PHARM CORP (US)

**Patent Assignee :**

Boehringer Mannheim Pharmaceuticals Corporation Smith Kline Corporation  
Limited Partnership No. 1, Gaithersburg MD [US]

**Inventor(s) :**

(A) SPONER GIBBERT (DE); STREIN KLAUS (DE); LUKAS-LASKEY MARY ANN  
(US); RUFFOLO JR ROBERT (US); SHUSTERMAN NEIL (US)

**Application Nbr :**

US87560397 19971229 [1997US-0875603]

**Filing Details :**

PCT/EP96/00498 19960207 [1996WO-EP00498]  
WO96/24348 19960815 [WO9624348]

**Priority Details :**

DE19503995 19950208 [1995DE-1003995]  
WOEP9600498 19960207 [1996WO-EP00498]

**Intl Patent Class :**

(A) A61K-031/40

**EPO ECLA Class :**

A61K-031/403

**US Patent Class :**

ORIGINAL (O) : 514411000

**Document Type :**

Corresponding document

**Citations :**

US4888179; US5308862; US5312828

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Ventricular Arrhythmias", 1992, vol. 19, (Supp. 1): pp. S117-S121.

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Intravenous Carvedilol, A New Multiple Action Vasodilatory  
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**Publication Stage :**

(A) United States patent

**Abstract :**

PCT No. PCT/EP96/00498 Sec. 371 Date Dec. 29, 1997 Sec. 102(e) Date Dec. 29, 1997 PCT Filed Feb. 7, 1996 PCT Pub. No. WO96/24348 PCT Pub. Date Aug. 15, 1996A method of treatment using carvedilol is disclosed, wherein the carvedilol decreases the mortality caused by congestive heart failure in patients. The patients are titrated with low amounts of carvedilol, with the initial titration dosage being only 10 to 30% of the daily maintenance dose.

1 / 1 LGST - @EPO

**Patent Number :**

US5902821 A 19990511 [US5902821]

**Application Number :**

US87560397 19971229 [1997US-0875603]

**Action Taken :**

19971229 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: BOEHRINGER MANNHEIM PHARMACEUTICALS CORPORATION SM; EFFECTIVE  
DATE: 19971203

19971229 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: LUKAS-LASKEY, MARY ANN; EFFECTIVE DATE: 19971203

19971229 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: RUFFOLO, ROBERT, JR.; EFFECTIVE DATE: 19971201

19971229 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: SSHUSTERMAN, NEIL; EFFECTIVE DATE: 19971201

19971229 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: SPONER, GISB; EFFECTIVE DATE: 19971201

20030910 US/AS-A

ASSIGNMENT

OWNER: ROCHE THERAPEUTICS, INC. 340 KINGS LAND STREET NUTLE  
ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: BOEHRINGER MANNHEIM  
PHARMACEUTICALS CORPORATION; SMITHKLINE BECKMAN  
CORPORATION; REEL/FRAME: 013957/0660; SIGNING DATES FROM 20001212 TO  
20001221

20030916 US/AS-A

ASSIGNMENT

OWNER: SB PHARMCO PUERTO RICO INC. 105 PONCE DE LEON AVEN; EFFECTIVE  
DATE: 20030801  
ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: ROCHE THERAPEUTICS  
INC.; REEL/FRAME: 013974/0463

20040928 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20031125

**Update Code :**

2005-11

1 / 1 CRXX - @CLAIMS/RRX

**Patent Number :**

5,902,821 A 19990511 [US5902821]

**Patent Assignee :**

Boehringer Mannheim Pharmaceuticals Corp - SmithKline Beecham L P

**Actions :**

20030910 REASSIGNED

ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: BOEHRINGER MANNHEIM PHARMACEUTICALS CORPORATION DATE SIGNED:  
12/12/2000

SMITHKLINE BECKMAN CORPORATION DATE SIGNED: 12/21/2000

Assignee: ROCHE THERAPEUTICS, INC. 340 KINGSLAND STREET NUTLEY NEW  
JERSEY 07110

Reel 013957/Frame 0660

Contact: GLAXOSMITHKLINE MARY E. MCCARTHY P.O. BOX 1539 KING OF PRUSSIA,  
PA 19406-0939

20030916 REASSIGNED  
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: ROCHE THERAPEUTICS INC. DATE SIGNED: 08/01/2003

Assignee: SB PHARMCO PUERTO RICO INC. 105 PONCE DE LEON AVENUE HATO REY  
PUERTO RICO 00917

Reel 013974/Frame 0463

Contact: GLAXOSMITHKLINE MARY E. MCCARTHY P.O. BOX 1539 KING OF  
PRUSSIA, PA 19406-0939

20031125 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20040928  
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
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